QC ABSTRACT

AME OF WORK: "Construction of Drains and Culverts at A Sector, B sector and Mathrulayout Ward No:04"

NO	Item Of Work	Name of Test	Frequency of Test/Quantity	Executed Quantity	Number of Tests Required	Number of Tests Conducted
		Materials				
	Cement	Fineness by dry sieving	One Test		1	1
		Finess by Air permeablity method	One Test		1	1
		Density	One Test		1	1
		Standard Consistency	One Test		1	1
		Initial Setting time	One Test		1	1
		Final Setting time	One Test		1	1
		Soundness (Le Chatelier's Method)	One Test		1	1
		Compressive Strength	One Test		1	1
	Coarse aggregate(40 mm down size)	SIEVE ANALYSIS	One Test		1	1
		Flakiness Index	One Test		1	1
		Elongation Index	One Test		1	1
		Specific Gravity	One Test		1	1
		Bulk Density(Loose)	One Test		1	1
		Bulk Density(Compacted)	One Test		1	1
		Water Absorption	One Test		1	1
	Coarse aggregate(20 mm down size)	SIEVE ANALYSIS	One Test		1	1
		Flakiness Index	One Test		1	1
		Elongation Index	One Test		1	1
		Specific Gravity	One Test		1	1
		Bulk Density(Loose)	One Test		1	1
		Bulk Density(Compacted)	One Test		1	1
		Water Absorption	One Test		1	1
		Aggregate crushing Value	One Test		1	1
		Aggregate Impact Value	One Test		1	1
	Fine aggregate	SIEVE ANALYSIS	One Test		1	1
		Water Absorption	One Test		1	1
		Specific Gravity	One Test		1	1
		Material finer than 75 micron	One Test		1	1
	Steel	Bend test	One Test		1	1
		Tensile Test	One Test		1	1
		Yield Test	One Test		1	1
		ReBend test	One Test		1	1
		Core Compressive strength	One Test		1	1
		Corrected Cylinder Compressive strength	One Test		1	1
		Equivalent Cube Compressive strength	One Test		1	1
	Precast (100mm)	Core Compressive Strength	One Test		1	1
		Corrected Cylinder Compressive Strength	One Test		1	1

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TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID	:	**CP-2021-02-23-41** **Date: 21-01-21**
Project Name	:	"Construction of Drains and Culverts at A Sector, B sector and Mathrulayout in Ward No:04"
Agency	:	Sri.G. Venkate Gowda , S/o Govindaraju, B3-11 2nd Floor, SFS 12th B Main Road, Omega Hospital Yelahanka New Town, Bangalore-560064
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-02/W O/172/2020-21
Date of Receipt	:	23-12-20
Sample Type	:	Birla Super 53grade
Reference to BIS codes	:	IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification , IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 6, Determination of Compressive Strength, Clause 6
Date of test	:	24-12-20
Environmental Conditions during test	:	Temperature: 26°C Humidity: 72%

Compressive Strength

SLNo.	Physical properties	Results	Requirement as per IS 12269: 2013
1	3 Days	28.5N/mm^2	Not less than 27 N/mm^2
2	7 Days	39.0N/mm^2	Not less than 37 N/mm^2
3	28 Days	58.5N/mm^2	Not less than 53 N/mm^2

* The results obtained are satisfactory as per standard requirements.

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Quality Manager

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TEST REPORT ON COARSE AGGREGATES

Lab ID : CP-2021-02-23-41 Date: 26-12-20

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS:383-2016
1	Flakiness Index(%)	13.2	Combined Flakiness & Elongation Index Shall not Exceed 40% for Uncrushed & Crushed Aggregate
2	Elongation Index(%)	10.1	
3	Specific Gravity	2.68	–
4	Bulk Density(Loose) (Kg/l)	1.43	–
5	Bulk Density(Compacted) (Kg/l)	1.49	–
6	Water Absorption(%)	0.23	–
7	Aggregate crushing Value(%)	22.9	Max 30% for Aggregates to be used in concrete for wearing Surface, In case Aggregate Crushing Value Exceeds 30% then the test for ten percent fines should be conducted for Aggregates to be used in concrete other than for wearing Surface
8	Aggregate Impact Value(%)	23.7	30% for Aggregates to be used in concrete for wearing Surface, 45% for Aggregates to be used in concrete other than for wearing Surface.

* The results obtained are satisfactory as per standard requirements.

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Authorized Signature
Quality Manager

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TEST REPORT OF FINE AGGREGATE

Lab ID : CP-2021-02-23-41

Date: 26-12-20

Project Name : "Construction of Drains and Culverts at A Sector, B sector and Mathrulayout in Ward No:04"

Agency : Sri.G. Venkate Gowda , S/o Govindaraju, B3-11 2nd Floor, SFS 12th B Main Road, Omega Hospital Yelahanka New Town, Bangalore-560064

Customer's Reference : BBMP/EE/YNK.D/EPMT-02/W.O/172/2020-21

Date of Receipt : 23-12-20

Sample Type : Fine Aggregate

Reference to BIS codes : IS 383 : 2016 (Specification for Coarse and fine Aggregates)
IS: 2386 :1963(Part - 1, 3) RA2012
IS 2386 Part 1: Particle Size and Shape
IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption

Date of test : 23-12-20

Total weight taken : 1000 grams

Sl.no	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS 383:2016			
						Grading Zone I	Grading Zone II	Grading Zone III	Grading Zone IV
1	10 mm	0	0	0.0	100.0	100	100	100	100
2	4.75 mm	27	27	2.7	97.3	90-100	90-100	90-100	95-100
3	2.36 mm	55	82	8.2	91.8	60-95	75-100	85-100	95-100
4	1.18 mm	239	321	32.1	67.9	30-70	55-90	75-100	90-100
5	600 micron	205	526	52.6	47.4	15-34	35-59	60-79	80-100
6	300 micron	203	729	72.9	27.1	5-20	8-30	12-40	15-50
7	150 micron	191	920	92.0	8.0	0-10	0-10	0-10	0-15
8	Pan	80	1000	100.0	0.0	---	---	---	---

Result :The tested Sample Conforms to Grading Zone II

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TEST REPORT OF PRECAST COVER SLAB

)	:	CP-2021-02-23-41
t Name	:	"Construction of Drains and Culverts at A Sector, B sector and Mathrulayout in Ward No.04"
	:	Sri.G. Venkate Gowda , S/o Govindaraju, B3-11 2nd Floor, SFS 12th B Main Road, Omega Hospital Yelahanka New Town, Bangalore-560064
ıer's Reference	:	BBMP/EE/YNK.D/EPMT-02/W.O/172/2020-21
f Receipt	:	25-02-21
: Type /Size	:	Precast Cover Slab (250mm)
ıce to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete
f test	:	25/02/2021

Date: 01-03-21

Identification Mark	Diameter of the core	Height of the core	Weight of the core	Area	Failure Load	Core Compressive strength	Corrected Cylinder Compressive strength	Equivalent Cube Compressive strength
	(mm)	(mm)	(kg)	(Sq.mm)	(KN)	(N/mm^2)	(N/mm^2)	(N/mm^2)
Cover Slab-1	200.51	250.48	3.116	31570	80.9	2.6	2.4	3.0
Cover Slab-2	200.49	250.52	3.122	31564	82.3	2.6	2.4	3.0
Cover Slab-3	200.50	250.51	3.118	31567	81.5	2.6	2.4	3.0

sults obtained are satisfactory as per standard requirements.

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪವಲಯ ಬಿಬಿಎಂಪಿ
ಬೆ.ಮ.ಪಾ.ಪ. ಬೆಂಗಳೂರು-106

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Quality Manager

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 22/01/2021

ID	:	CP-2021-02-23-41
ect Name	:	"Construction of Drains and Culverts at A Sector, B sector and Mathrulayout in Ward No:04"
ncy	:	Sri.G. Venkate Gowda , S/o Govindaraju, B3-11 2nd Floor, SFS 12th B Main Road, Omega Hospital Yelahanka New Town, Bangalore-560064
tomer's Reference	:	BBMP/EE/YNK.D/EPMT-02/W.O/172/2020-21
e of Receipt	:	18-01-21
tomer ID	:	Drain Bottom Slab Concrete
ple Type /Size	:	150X150X150 mm
ple grade/Age	:	M20 / 7 Days Compressive Strength
erence to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
e of test	:	22/01/2021

	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm²)	Average Compressive Strength (N/mm²)
	Drain Bottom Slab Concrete	M20	15/01/2021	22/01/2021	150.64 X 150.61 X 150.31	22689	8.077	427.0	18.8	18.7
	Drain Bottom Slab Concrete	M20	15/01/2021	22/01/2021	150.36 X 151.70 X 149.09	22810	8.743	433.0	19.0	
	Drain Bottom Slab Concrete	M20	15/01/2021	22/01/2021	150.10 X 149.09 X 149.15	22378	8.049	411.1	18.4	

e results obtained are satisfactory as per standard requirements.

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 12/02/2021

D	:	CP-2021-02-23-41
ct Name	:	"Construction of Drains and Culverts at A Sector, B sector and Mathrulayout in Ward No:04"
ty	:	Sri.G. Venkate Gowda , S/o Govindaraju, B3-11 2nd Floor, SFS 12th B Main Road, Omega Hospital Yelahanka New Town, Bangalore-560064
mer's Reference	:	BBMP/EE/YNK D/EPMT-02/W O/172/2020-21
of Receipt	:	18-01-21
mer ID	:	Drain Bottom Slab Concrete
le Type /Size	:	150X150X150 mm
le grade/Age	:	M20 / 28 Days Compressive Strength
ence to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl 5
of test	:	12/02/2021

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
Drain Bottom Slab Concrete	M20	15/01/2021	12/02/2021	151.52 X 151.05 X 150.39	22886	8.667	541.6	23.7	23.0
Drain Bottom Slab Concrete	M20	15/01/2021	12/02/2021	151.73 X 150.52 X 150.37	22838	8.441	502.8	22.0	
Drain Bottom Slab Concrete	M20	15/01/2021	12/02/2021	151.36 X 150.90 X 149.58	22841	8.588	530.5	23.2	

results obtained are satisfactory as per standard requirements.

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TEST REPORT OF CEMENT CONCRETE CUBES

)	:	CP-2021-02-23-41
	:	Date: 04/02/2021
t Name	:	"Construction of Drains and Culverts at A Sector, B sector and Mathrulayout in Ward No:04"
y	:	Sri.G. Venkate Gowda , S/o Govindaraju, B3-11 2nd Floor, SFS 12th B Main Road, Omega Hospital Yelahanka New Town, Bangalore-560064
ner's Reference	:	BBMP/EE/YNK.D/EPMT-02/W.O/172/2020-21
f Receipt	:	30-01-21
ner ID	:	Drain Side Wall Concrete
e Type /Size	:	150X150X150 mm
e grade/Age	:	M20 / 7 Days Compressive Strength
nce to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
f test	:	04/02/2021

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
Drain Side Wall Concrete	M20	28/01/2021	04/02/2021	150.09 X 149.88 X 150.54	22495	8.077	421.0	18.7	18.5
Drain Side Wall Concrete	M20	28/01/2021	04/02/2021	149.51 X 151.34 X 149.07	22627	8.743	415.4	18.4	
Drain Side Wall Concrete	M20	28/01/2021	04/02/2021	150.45 X 149.19 X 149.26	22447	8.049	410.5	18.3	

sults obtained are satisfactory as per standard requirements.

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TEST REPORT OF CEMENT CONCRETE CUBES

D : CP-2021-02-23-41

Date: 25/02/2021

ct Name : "Construction of Drains and Culverts at A Sector, B sector and Mathrulayout in Ward No:04"

y : Sri.G. Venkate Gowda , S/o Govindaraju, B3-11 2nd Floor, SFS 12th B Main Road, Omega Hospital Yelahanka New Town, Bangalore-560064

mer's Reference : BBMP/EE/YNK.D/EPMT-02/W.O/172/2020-21

of Receipt : 30-01-21

mer ID : Drain Side Wall Concrete

le Type /Size : 150X150X150 mm

le grade/Age : M20 / 28 Days Compressive Strength

ence to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

of test : 25/02/2021

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
Drain Side Wall Concrete	M20	28/01/2021	25/02/2021	151.87 X 150.97 X 149.63	22928	8.667	528.1	23.0	23.3
Drain Side Wall Concrete	M20	28/01/2021	25/02/2021	151.14 X 151.91 X 151.18	22960	8.441	524.7	22.9	
Drain Side Wall Concrete	M20	28/01/2021	25/02/2021	150.77 X 150.86 X 149.91	22746	8.588	542.8	23.9	

esults obtained are satisfactory as per standard requirements.

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TEST REPORT OF CEMENT CONCRETE CUBES

D	:	CP-2021-02-23-41
ct Name	:	"Construction of Drains and Culverts at A Sector, B sector and Mathrulayout in Ward No:04"
cy	:	Sri.G. Venkate Gowda , S/o Govindaraju, B3-11 2nd Floor, SFS 12th B Main Road, Omega Hospital Yelahanka New Town, Bangalore-560064
mer's Reference	:	BBMP/EE/YNK.D/EPMT-02/W.O/172/2020-21
of Receipt	:	03-02-21
mer ID	:	Drain Side Wall Concrete
le Type /Size	:	150X150X150 mm
le grade/Age	:	M20 / 28 Days Compressive Strength
ence to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
of test	:	01/03/2021

Date: 01/03/2021

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
Drain Side Wall Concrete	M20	01/02/2021	01/03/2021	151.41 X 150.80 X 151.88	22833	8.667	542.9	23.8	23.2
Drain Side Wall Concrete	M20	01/02/2021	01/03/2021	150.22 X 151.28 X 151.41	22725	8.441	515.8	22.7	
Drain Side Wall Concrete	M20	01/02/2021	01/03/2021	149.19 X 149.72 X 150.46	22338	8.588	514.7	23.0	

esults obtained are satisfactory as per standard requirements.

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 09/03/2021

D	:	CP-2021-02-23-41
ct Name	:	"Construction of Drains and Culverts at A Sector, B sector and Mathrulayout in Ward No:04"
ty	:	Sri.G. Venkate Gowda , S/o Govindaraju, B3-11 2nd Floor, SFS 12th B Main Road, Omega Hospital Yelahanka New Town, Bangalore-560064
mer's Reference	:	BBMP/EE/YNK.D/EPMT-02/W.O/172/2020-21
of Receipt	:	11-02-21
mer ID	:	Drain Side Wall Concrete
le Type /Size	:	150X150X150 mm
le grade/Age	:	M20 / 28 Days Compressive Strength
ence to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
of test	:	09/03/2021

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
Drain Side Wall Concrete	M20	09/02/2021	09/03/2021	149.67 X 151.94 X 149.35	22741	8.667	540.8	23.8	23.1
Drain Side Wall Concrete	M20	09/02/2021	09/03/2021	150.85 X 149.30 X 150.15	22522	8.441	497.7	22.1	
Drain Side Wall Concrete	M20	09/02/2021	09/03/2021	150.70 X 150.06 X 150.43	22614	8.588	526.8	23.3	

Results obtained are satisfactory as per standard requirements.

ಸಾರ್ವಜನಿಕರ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

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TEST REPORT OF CEMENT CONCRETE CUBES

Format No: CP/TF/01

D	:	CP-2021-02-23-41
t Name	:	"Construction of Drains and Culverts at A Sector, B sector and Mathrulayout in Ward No.04"
y	:	Sri.G. Venkate Gowda , S/o Govindaraju, B3-11 2nd Floor, SFS 12th B Main Road, Omega Hospital Yelahanka New Town, Bangalore-560064
mer's Reference	:	BBMP/EE/YNK.D/EPMT-02/W.O/172/2020-21
f Receipt	:	24-02-21
mer ID	:	Culvert Bottom Slab Concrete
le Type /Size	:	150X150X150 mm
le grade/Age	:	M20 / 28 Days Compressive Strength
eace to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
f test	:	22/03/2021

Date: 22/03/2021

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
Culvert Bottom Slab Concrete	M20	22/02/2021	22/03/2021	150.97 X 149.05 X 149.65	22503	8.667	528.6	23.5	23.1
Culvert Bottom Slab Concrete	M20	22/02/2021	22/03/2021	150.08 X 150.27 X 151.89	22553	8.441	496.8	22.0	
Culvert Bottom Slab Concrete	M20	22/02/2021	22/03/2021	150.10 X 150.49 X 149.42	22589	8.588	539.6	23.9	

esults obtained are satisfactory as per standard requirements.

ಶಾಖಾಯ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
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Certificate No.: TC-5548

TEST REPORT OF CEMENT CONCRETE CUBES

Format No: CP/TF/01

b ID	:	CP-2021-02-23-41
ject Name	:	"Construction of Drains and Culverts at A Sector, B sector and Mathrulayout in Ward No:04"
ncy	:	Sri.G. Venkate Gowda , S/o Govindaraju, B3-11 2nd Floor, SFS 12th B Main Road, Omega Hospital Yelahanka New Town, Bangalore-560064
tomer's Reference	:	BBMP/EE/YNK.D/EPMT-02/W.O/172/2020-21
te of Receipt	:	01-03-21
tomer ID	:	Culvert Side Wall Concrete
mple Type /Size	:	150X150X150 mm
mple grade/Age	:	M20 / 7 Days Compressive Strength
ference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
te of test	:	05/03/2021

Date: 05/03/2021

L No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Culvert Side Wall Concrete	M20	26/02/2021	05/03/2021	150.00 X 151.92 X 149.06	22789	8.077	426.6	18.7	18.3
2	Culvert Side Wall Concrete	M20	26/02/2021	05/03/2021	149.77 X 149.76 X 150.76	22429	8.743	406.2	18.1	
3	Culvert Side Wall Concrete	M20	26/02/2021	05/03/2021	151.05 X 150.49 X 149.51	22732	8.049	410.4	18.1	

The results obtained are satisfactory as per standard requirements.

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ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ.
ಜಿ.ಬ.ಎ.ಪ. ಬೆಂಗಳೂರು-106

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R.KARTHIK RECHAN
Authorized Signatory
Quality Manager

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civilproexperts@gmail.com

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Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 26/03/2021

D	:	CP-2021-02-23-41
t Name	:	"Construction of Drains and Culverts at A Sector, B sector and Mathrulayout in Ward No.04"
y	:	Sri.G. Venkate Gowda , S/o Govindaraju, B3-11 2nd Floor, SFS 12th B Main Road, Omega Hospital Yelahanka New Town, Bangalore-560064
mer's Reference	:	BBMP/EE/YNK.D/EPMT-02/W.O/172/2020-21
f Receipt	:	01-03-21
mer ID	:	Culvert Side Wall Concrete
le Type /Size	:	150X150X150 mm
le grade/Age	:	M20 / 28 Days Compressive Strength
ence to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
f test	:	26/03/2021

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
Culvert Side Wall Concrete	M20	26/02/2021	26/03/2021	151.92 X 150.91 X 150.29	22926	8.667	541.5	23.6	23.2
Culvert Side Wall Concrete	M20	26/02/2021	26/03/2021	150.74 X 150.70 X 151.54	22717	8.441	502.1	22.1	
Culvert Side Wall Concrete	M20	26/02/2021	26/03/2021	151.73 X 150.14 X 149.71	22781	8.588	544.6	23.9	

results obtained are satisfactory as per standard requirements.

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ.
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Authorized Signatory
Quality Manager

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rechan6630@yahoo.co.in, civilproexperts@gmail.com

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Certificate No.: TC-554

Format No. CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

ID	:	CP-2021-02-23-41
ect Name	:	"Construction of Drains and Culverts at A Sector, B sector and Mathrulayout in Ward No.04"
ncy	:	Sri.G. Venkate Gowda , S/o Govindaraju, B3-11 2nd Floor, SFS 12th B Main Road, Omega Hospital Yelahanka New Town, Bangalore-560064
tomer's Reference	:	BBMP/EE/YNK.D/EPMT-02/W.O/172/2020-21
e of Receipt	:	26-03-21
tomer ID	:	Cement Concrete Pavement
ple Type /Size	:	150X150X150 mm
ple grade/Age	:	M30 / 28 Days Compressive Strength
erence to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
e of test	:	21/04/2021

Date: 21/04/2021

	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
	Cement Concrete Pavement	M30	24/03/2021	21/04/2021	150.61 X 151.62 X 151.38	22835	8.814	754.8	33.1	32.8
	Cement Concrete Pavement	M30	24/03/2021	21/04/2021	151.83 X 150.38 X 150.37	22831	8.984	736.5	32.3	
	Cement Concrete Pavement	M30	24/03/2021	21/04/2021	151.95 X 149.45 X 149.59	22710	8.283	750.7	33.1	

e results obtained are satisfactory as per standard requirements.

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Quality Manager

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Certificate No.: TC-5548

TEST REPORT OF CEMENT CONCRETE CUBES

Format No: CP/TF/01

: CP-2021-02-23-41

Date: 01/04/2021

: "Construction of Drains and Culverts at A Sector, B sector and Mathrulayout in Ward No:04"

: Sri.G. Venkate Gowda , S/o Govindaraju, B3-11 2nd Floor, SFS 12th B Main Road, Omega Hospital Yelahanka New Town, Bangalore-560064

's Reference : BBMP/EE/YNK.D/EPMT-02/W.O/172/2020-21

Receipt : 27-03-21

ner ID : Cement Concrete Pavement

e Type /Size : 150X150X150 mm

e grade/ Age : M30 / 7 Days Compressive Strength

ance to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

of test : 01/04/2021

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
Cement Concrete Pavement	M30	25/03/2021	01/04/2021	149.24 X 149.65 X 151.77	22334	8.472	573.4	25.7	25.5
Cement Concrete Pavement	M30	25/03/2021	01/04/2021	150.24 X 150.58 X 151.92	22624	8.220	591.3	26.1	
Cement Concrete Pavement	M30	25/03/2021	01/04/2021	149.48 X 151.99 X 151.48	22720	8.949	563.1	24.8	

results obtained are satisfactory as per standard requirements.

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4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

TEST REPORT OF CEMENT CONCRETE CUBES

Format No: CP/TF/01

Date: 23/04/2021

Lab ID	:	CP-2021-02-23-41
Project Name	:	"Construction of Drains and Culverts at A Sector, B sector and Mathrulayout in Ward No:04"
Agency	:	Sri.G. Venkate Gowda , S/o Govindaraju, B3-11 2nd Floor, SFS 12th B Main Road, Omega Hospital Yelahanka New Town, Bangalore-560064
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-02/W.O/172/2020-21
Date of Receipt	:	29-03-21
Customer ID	:	Cement Concrete Pavement
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	23/04/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	26/03/2021	23/04/2021	149.58 X 150.07 X 151.50	22447	8.814	756.2	33.7	33.4
2	Cement Concrete Pavement	M30	26/03/2021	23/04/2021	151.46 X 150.46 X 150.52	22788	8.984	741.3	32.5	
3	Cement Concrete Pavement	M30	26/03/2021	23/04/2021	150.46 X 149.26 X 151.02	22458	8.283	762.8	34.0	

The results obtained are satisfactory as per standard requirements.

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Certificate No.: TC-5548

TEST REPORT OF CEMENT CONCRETE CUBES

Format No: CP/TF/01

Lab ID : CP-2021-02-23-41

Project Name : "Construction of Drains and Culverts at A Sector, B sector and Mathrulayout in Ward No:04"

Date: 23/04/2021

Agency : Sri.G. Venkate Gowda , S/o Govindaraju, B3-11 2nd Floor, SFS 12th B Main Road, Omega Hospital Yelahanka New Town, Bangalore-560064

Customer's Reference : BBMP/EE/YNK.D/EPMT-02/W.O/172/2020-21

Date of Receipt : 29-03-21

Customer ID : Cement Concrete Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 23/04/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	26/03/2021	23/04/2021	150.00 X 150.45 X 149.61	22568	8.814	756.8	33.5	33.4
2	Cement Concrete Pavement	M30	26/03/2021	23/04/2021	151.38 X 149.81 X 149.49	22678	8.984	741.5	32.7	
3	Cement Concrete Pavement	M30	26/03/2021	23/04/2021	150.14 X 150.66 X 149.43	22619	8.283	766.8	33.9	

The results obtained are satisfactory as per standard requirements.

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